

I CLAIM:

1. A thigh cuff for use with a pelvic brace, the thigh cuff comprising:

a thigh shell having a first component and a second component;

a rear adjustment panel connecting the first component with the second component along a rear portion of the thigh cuff; and

a front adjustment panel extending between the first component and the second component along a front portion of the thigh cuff.

2. The thigh cuff of Claim 1 wherein the first component and the second component are adjustable vertically and laterally with respect to each other.

3. The thigh cuff of Claim 1 wherein at least one of the rear adjustment panel and the front adjustment panel include an adjustment slot.

4. The thigh cuff of Claim 1 wherein the rear adjustment panel is connected between the first component and the second component at two connection points.

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5. The thigh cuff of Claim 1 wherein at least one of the rear adjustment panel and the front adjustment panel are asymmetric and reversible to permit use of the thigh cuff on either a left leg or a right leg.

6. The thigh cuff of Claim 1 wherein the front adjustment panel further comprises a horizontal slot and an array of ventilation apertures.

7. A pelvic bracing system comprising:  
a hip brace;  
a thigh cuff adjustable laterally and vertically; and  
an articulating orthopedic joint connecting the hip brace with respect to the thigh cuff.

8. The pelvic bracing system of Claim 7 wherein the thigh cuff further comprises:  
a thigh shell having a first component and a corresponding second component.

9. The pelvic bracing system of Claim 8 wherein the thigh cuff further comprises:  
a rear adjustment panel connecting the first component with the second

component along a rear portion of the thigh cuff; and

a front adjustment panel extending between the first component and the second component along a front portion of the thigh cuff.

10. The thigh cuff of Claim 9 wherein the first component and the second component are adjustable vertically and laterally with respect to each other.

11. The thigh cuff of Claim 9 wherein at least one of the rear adjustment panel and the front adjustment panel include an adjustment slot.

12. The thigh cuff of Claim 9 wherein two rear adjustment panels are connected between the first component and the second component at two connection points.

13. The thigh cuff of Claim 9 wherein at least one of the rear adjustment panel and the front adjustment panel are asymmetric to permit use of the thigh cuff on either a left leg or a right leg.

14. The thigh cuff of Claim 9 wherein the front adjustment panel further comprises a horizontal slot and an array of ventilation apertures.

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15. A pelvic bracing system comprising:

a first hip plate and a second hip plate pivotally connected with respect to one another;

a thigh cuff adjustable laterally and vertically; and

an articulating orthopedic joint connecting one of the first hip plate and the second hip plate with respect to the thigh cuff.

16. The pelvic bracing system of Claim 15 wherein the first hip plate and the second hip plate are adjustable at least one of laterally and rotationally with respect to the pelvic bracing system.

17. The pelvic bracing system of Claim 15 wherein at least one of the first hip plate and the thigh cuff further comprise a universal mounting block having a plurality of threaded channels to accept the connecting joint.

18. The pelvic bracing system of Claim 15 wherein the thigh cuff further comprises at least one strap engaged between the first component and the second component.

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